

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-001856**Date Inspected:** 26-Feb-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**Location:** Chang xing dao, Shanghai**Quality Control Contact:** Mr. Don Walton**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coating Inspection**Bridge No:** 34-0006**Component:** See below**Bid Item:** 77, 78, 79**Lot No:** B #204**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE II coating inspector, Mr. Baskar Govindarajan arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE II coating inspector observed the following:

1. An inspection was requested on the OBG segment, 8CE, External surfaces for the Residual chlorides Inspection for Mist coat application after Interzinc 22 application, vide request no. 2755 at Painting shop 1. This Caltrans inspector observed, ABF inspectors Mr. Shi stone and Mr. Jiang huan, performing Salt test inspection of external surfaces. These tests were carried out in 3 places and the result found to be 10 us/cm, 10 us/cm, 20 us/cm respectively which is acceptable as per contract documents.(Photo attached). The ambient conditions found to be 4.7 deg. above dew point and the relative humidity found to be 63.9% inside the paint shop which is found to be within the parameters of contract documents. International protective coatings technical service representative Mr. Li peng was found present during the course of this inspection process.

2. An inspection was requested on 6 sets of OBG Suspender bracket for the surface preparation Inspection for primer coat application, DFT Check and MEK Pencil hardness test vide inspection request no. 2757. The suspender brackets are SB 32E-2 nos, SB32W- 1 no., SB34W- 1 no., SB30E- 1 no., SB30W-1 no. The ambient conditions during the inspection found to be 4.8 deg. above dew point and the relative humidity found to be 69% inside the paint shop which is found to be within the parameters of contract documents. This Caltrans inspector observed, ABF inspectors Mr. Shi stone and Mr. Jiang huan, Mr. Wei and Mr. Turtle performing DFT check, and Low DFT, sagging, Mud crack and pin holes(Photo of sagging and pinholes attached) observed in Suspender

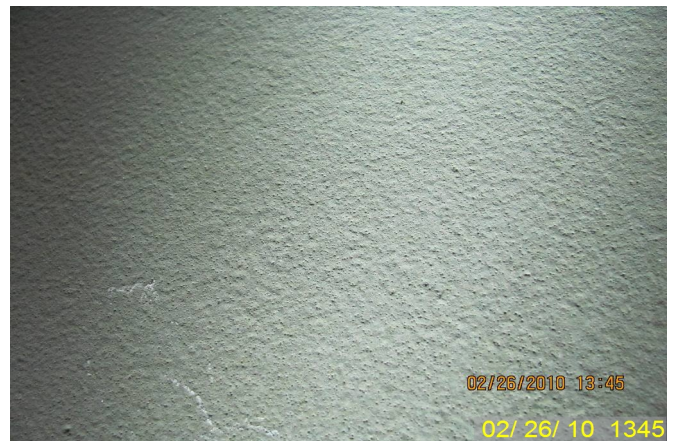
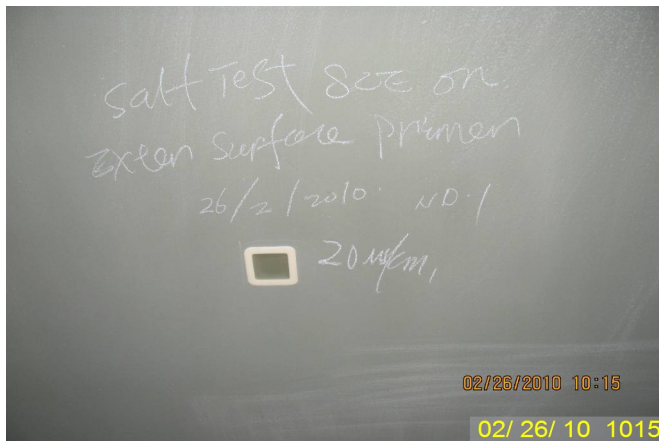
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bracket no. SB34W which was rejected by ABF Inspectors. International protective coatings technical service representative Mr. Li peng was found present during the course of this inspection process.

3. An inspection was requested on OBG Cross beam Internal ceiling and the side plate (CB4) for the DFT check of primer coat application, vide inspection request no. 2754. This Caltrans inspector observed, ABF inspectors Mr. Jiang huan, Mr. Wei and Mr. Turtle rejected the same as paint touch up was in progress during that time. After paint touch ups, It was found that, ZPMC resubmitted inspection request, request no. 2758. The same was again found rejected for Low DFT, Holidays and Rust in drilled holes. International protective coatings technical service representative Mr. Li peng was found present during the course of this inspection process.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.



Summary of Conversations:

No applicable conversations

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Skyler Guest (15000422360), who represents the Office of Structural Materials for your project.

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Inspected By:	Baskar,Govindarajan	Quality Assurance Inspector
Reviewed By:	Clifford,William	QA Reviewer
